查询TLFGE62T供应商

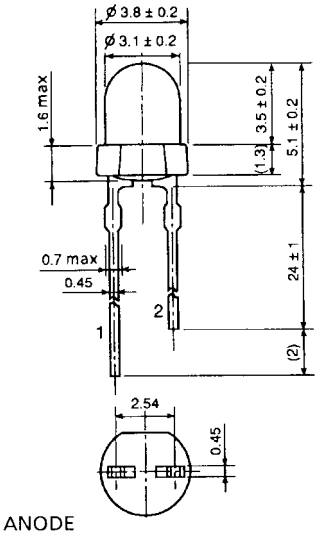


TOSHIBA InGaAℓP LED

# TLRE62T,TLRME62T,TLSE62T,TLOE62T,TLYE62T, TLPYE62T,TLGE62T,TLFGE62T,TLPGE62T

## Panel Circuit Indicators

Unit: mm




| | |
|---|---|
| JEDEC | — |
| JEITA | — |
| TOSHIBA | 4-3H1 |

Weight: 0.14 g

- φ3 mm package
- InGaAℓP technolgy
- All plastic mold type
- Transparent lens
- Line-up: 6 colors (red, orange, yellow, pure yellow, green and pure green)
- High intensity light emission
- Excellent low current light output
- Applications: message boards, security devices and dashboard displays

## Line-up

| Product Name | Color | Material |
|---|---|---|
| TLRE62T | Red | InGaAλP |
| TLRME62T | Red | |
| TLSE62T | Red | |
| TLOE62T | Orange | |
| TLYE62T | Yellow | |
| TLPYE62T | Pure Yellow | |
| TLGE62T | Green | |
| TLFGE62T | Green | |
| TLPGE62T | Pure Green | |

## Maximum Ratings (Ta = 25°C)

| Product Name | Forward Current $I_F$ (mA) | Reverse Voltage $V_R$ (V) | Power Dissipation $P_D$ (mW) | Operating Temperature $T_{opr}$ (°C) | Storage Temperature $T_{stg}$ (°C) |
|---|---|---|---|---|---|
| TLRE62T | 50 | 4 | 120 | −40~100 | −40~120 |
| TLRME62T | 50 | 4 | 120 | | |
| TLSE62T | 50 | 4 | 120 | | |
| TLOE62T | 50 | 4 | 120 | | |
| TLYE62T | 50 | 4 | 120 | | |
| TLPYE62T | 50 | 4 | 120 | | |
| TLGE62T | 50 | 4 | 120 | | |
| TLFGE62T | 50 | 4 | 120 | | |
| TLPGE62T | 50 | 4 | 120 | | |

## Electrical and Optical Characteristics (Ta = 25°C)

| Product Name | Typ. Emission Wavelength | | | | Luminous Intensity $I_V$ | | | Forward Voltage $V_F$ | | | Reverse Current $I_R$ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $\lambda_d$ | $\lambda_P$ | $\Delta\lambda$ | $I_F$ | Min | Typ. | $I_F$ | Typ. | Max | $I_F$ | Max | $V_R$ |
| TLRE62T | 630 | (644) | 20 | 20 | 47.6 | 120 | 20 | 1.9 | 2.4 | 20 | 50 | 4 |
| TLRME62T | 626 | (636) | 23 | 20 | 47.6 | 180 | 20 | 1.9 | 2.4 | 20 | 50 | 4 |
| TLSE62T | 613 | (623) | 20 | 20 | 85 | 200 | 20 | 1.9 | 2.4 | 20 | 50 | 4 |
| TLOE62T | 605 | (612) | 20 | 20 | 153 | 350 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| TLYE62T | 587 | (590) | 17 | 20 | 85 | 250 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| TLPYE62T | 580 | (583) | 14 | 20 | 47.6 | 150 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| TLGE62T | 571 | (574) | 17 | 20 | 47.6 | 110 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| TLFGE62T | 565 | (568) | 15 | 20 | 27.2 | 70 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| TLPGE62T | 558 | (562) | 14 | 20 | 15.3 | 45 | 20 | 2.1 | 2.4 | 20 | 50 | 4 |
| Unit | nm | | | mA | mcd | | mA | V | | mA | μA | V |

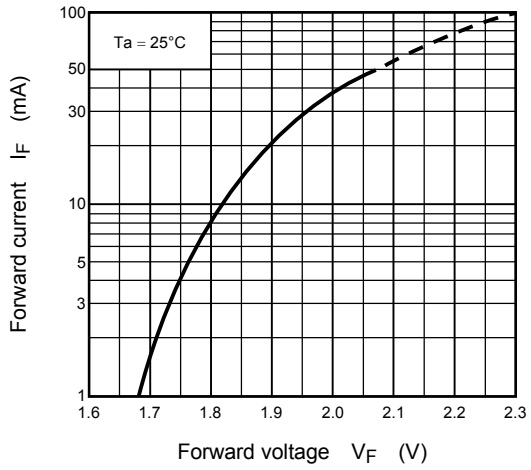
## Precautions

Please be careful of the following:

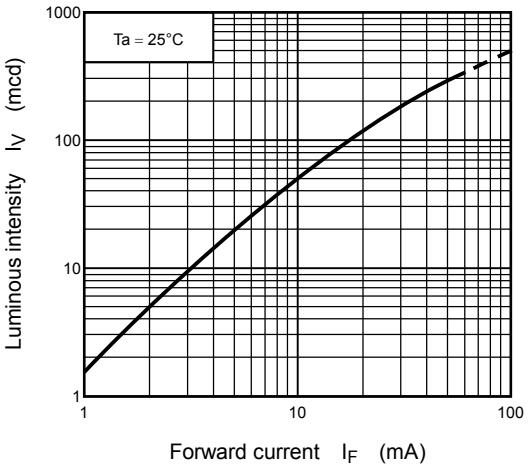
- Soldering temperature: 260°C max, soldering time: 3 s max
  (soldering portion of lead: up to 2 mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5 mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- This visible LED lamp also emits some IR light.
  If a photodetector is located near the LED lamp, please ensure that it will not be affected by this IR light.

## TLRE62T

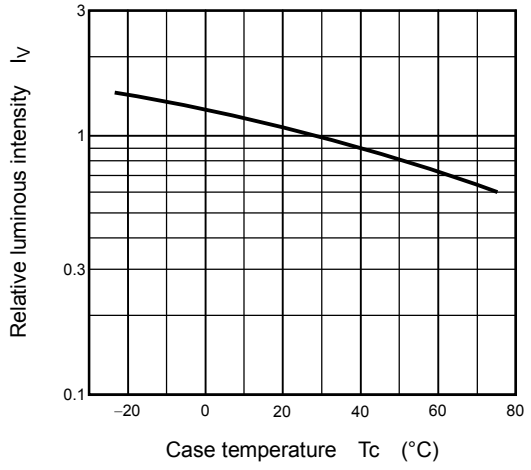
$I_F - V_F$



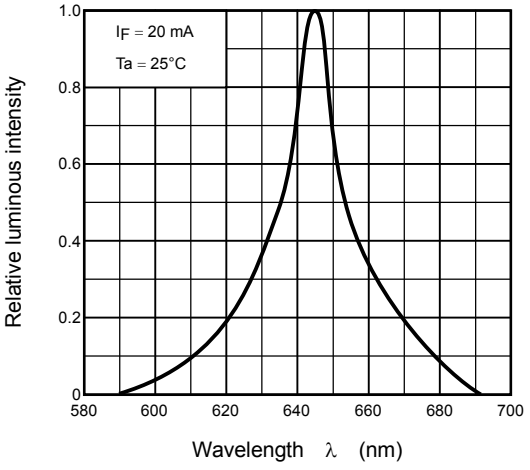

$I_V - I_F$



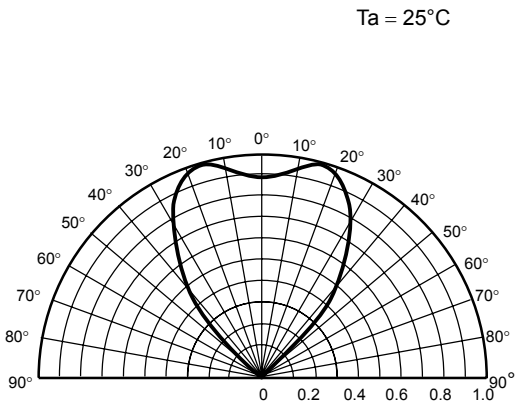

$I_V - Tc$



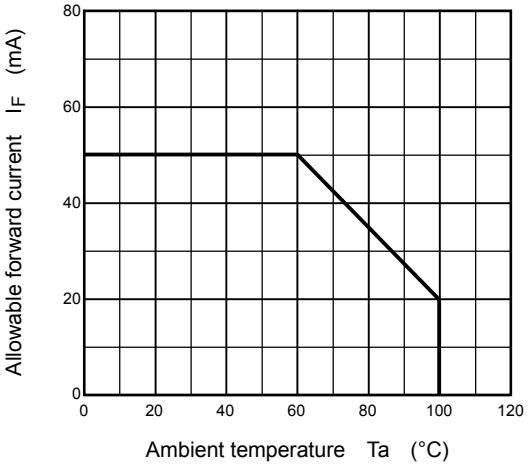

Relative luminous intensity – Wavelength




Radiation pattern

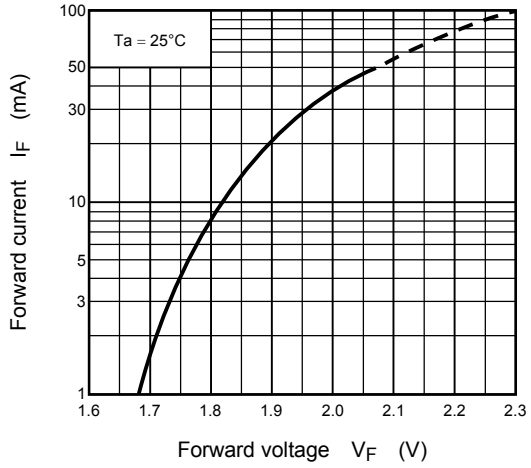



$I_F - Ta$

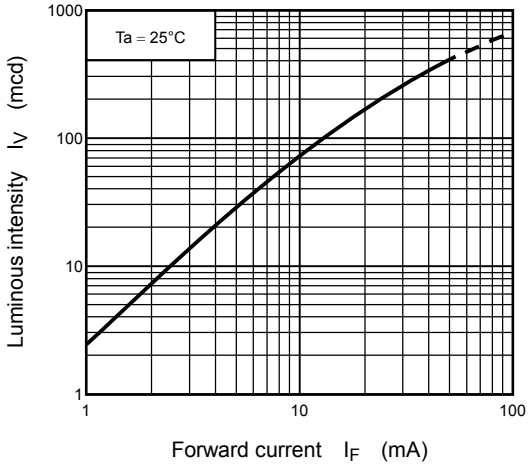


## TLRME62T

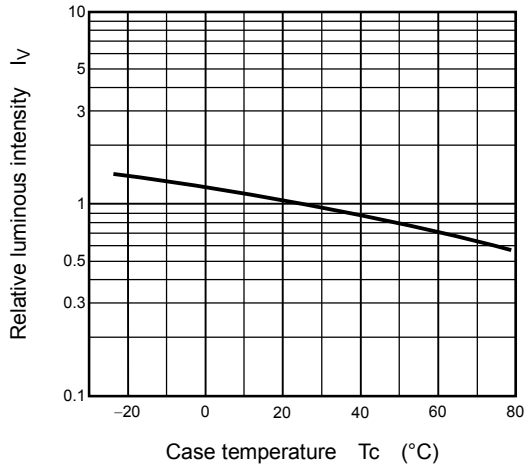
$I_F - V_F$



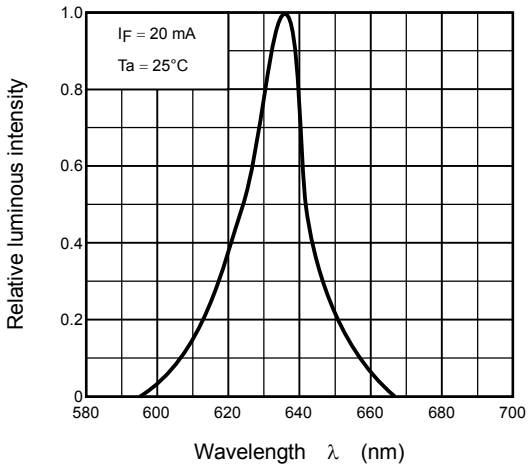

$I_V - I_F$



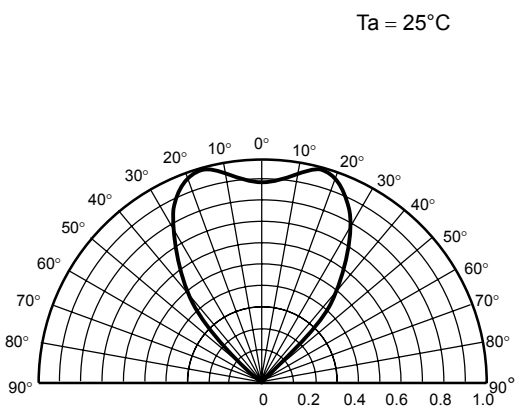

$I_V - Tc$



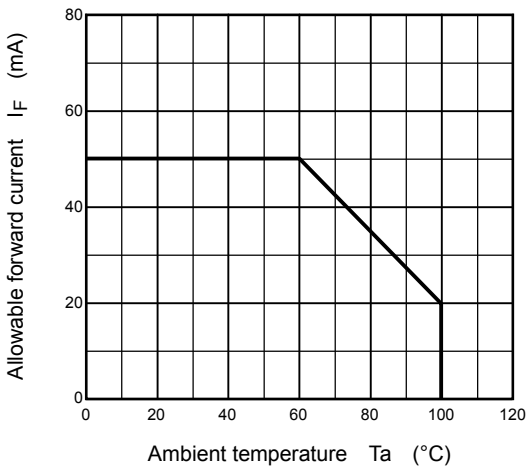

Relative luminous intensity – Wavelength




Radiation pattern

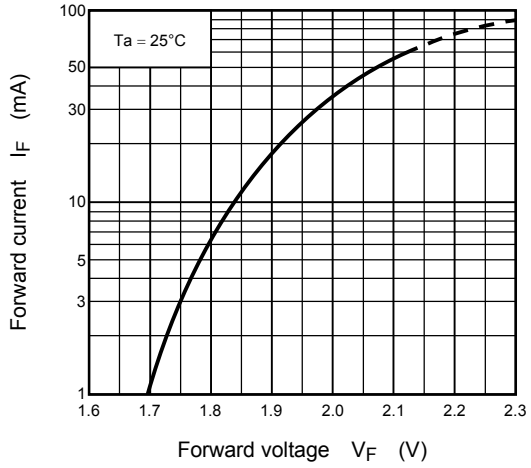



$I_F - Ta$

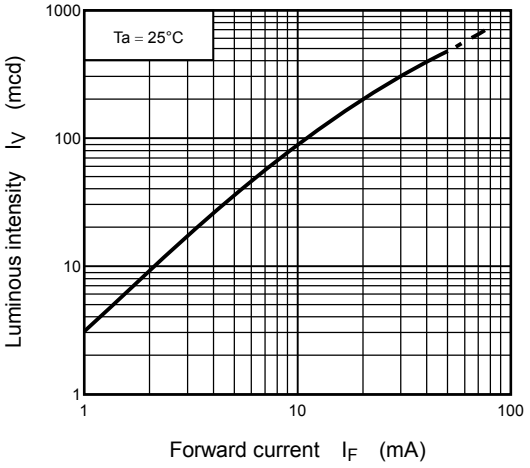


## TLSE62T

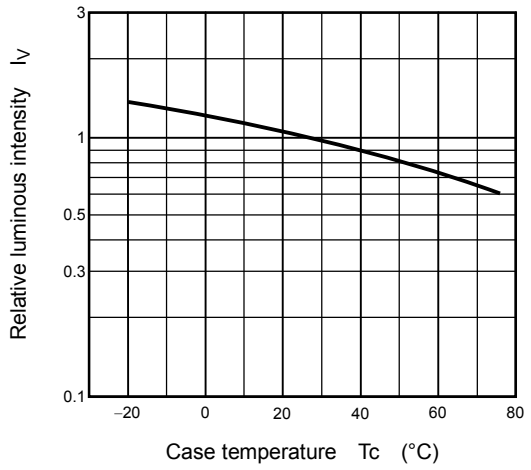
$I_F - V_F$



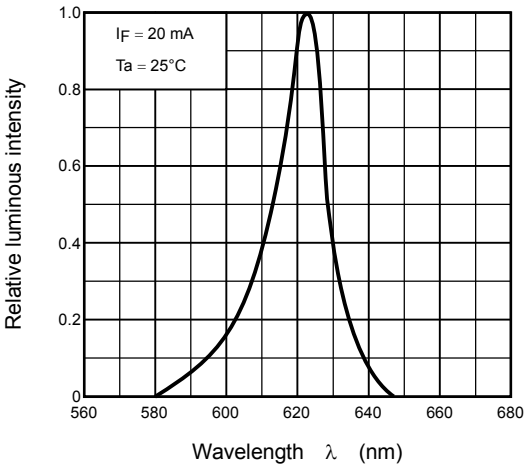

$I_V - I_F$



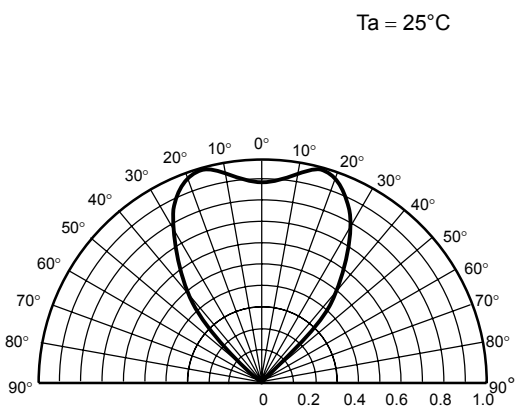

$I_V - Tc$



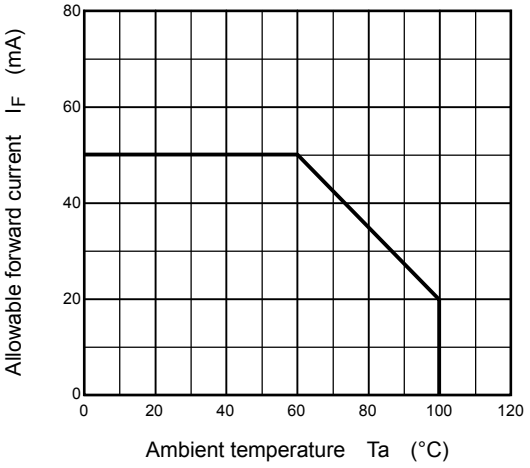

Relative luminous intensity – Wavelength




Radiation pattern

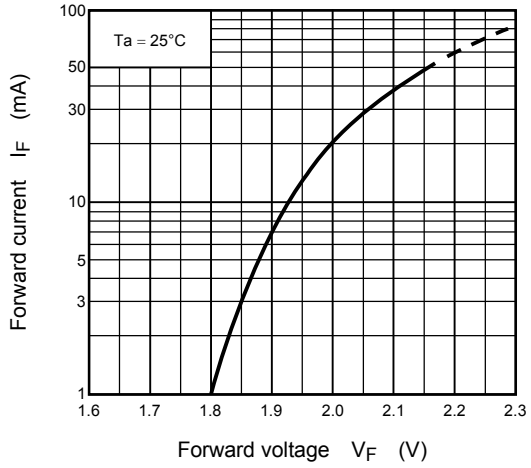



$I_F - Ta$

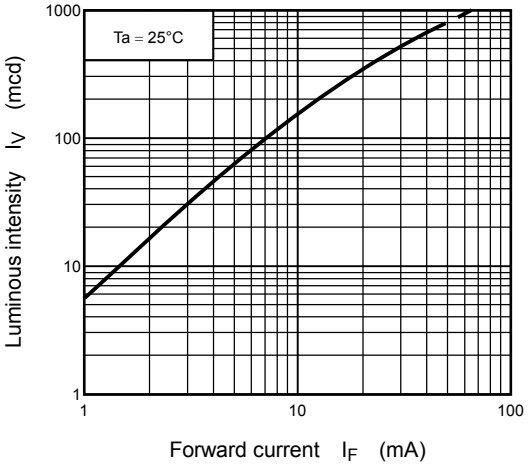


## TLOE62T

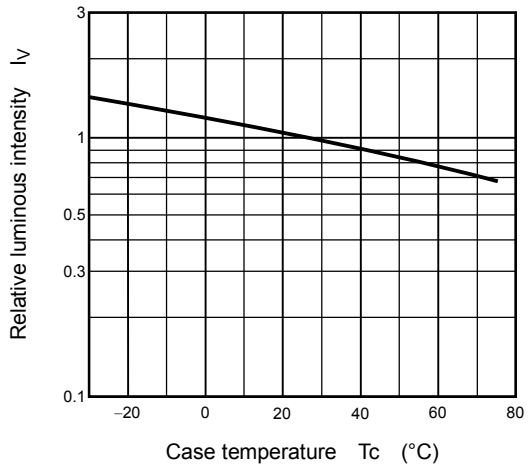
$I_F - V_F$



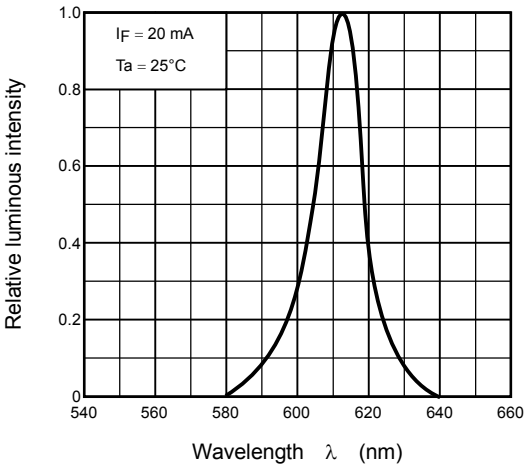

$I_V - I_F$



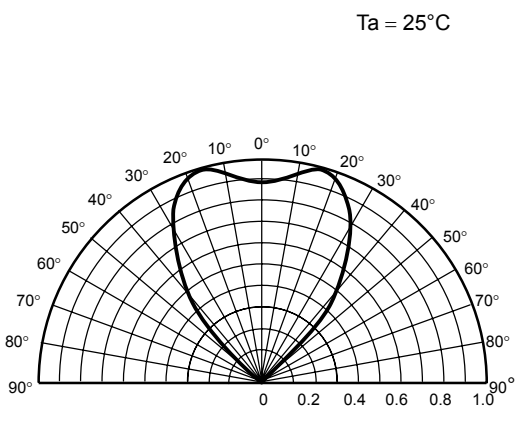

$I_V - Tc$



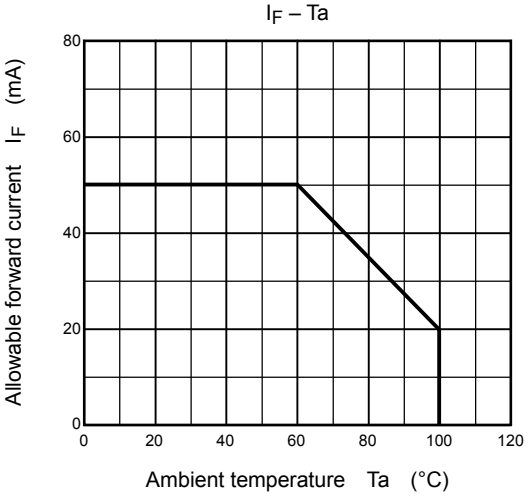

Relative luminous intensity – Wavelength




Radiation pattern

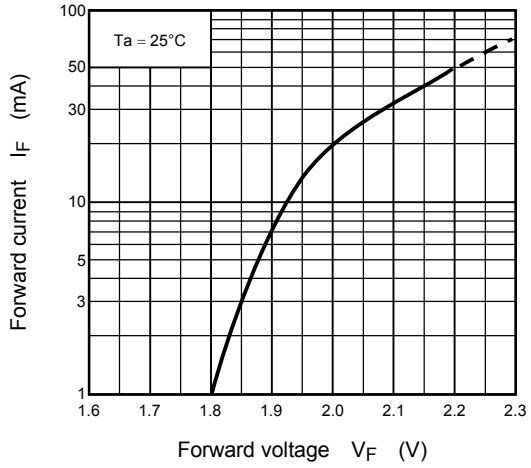



$I_F - Ta$

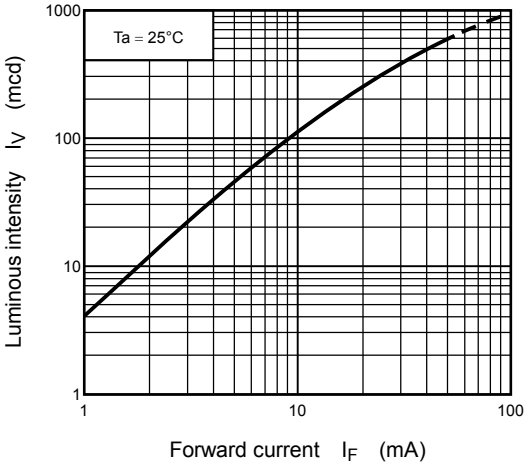


## TLYE62T

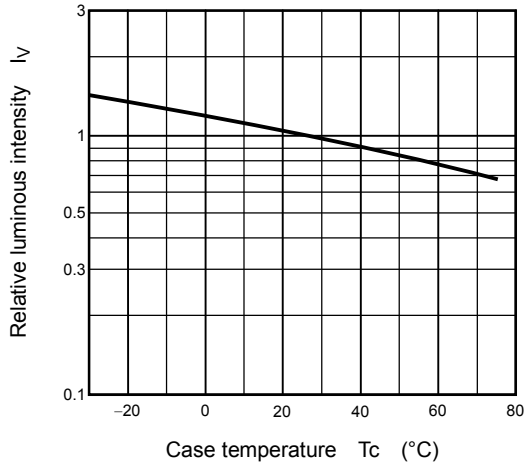
$I_F - V_F$



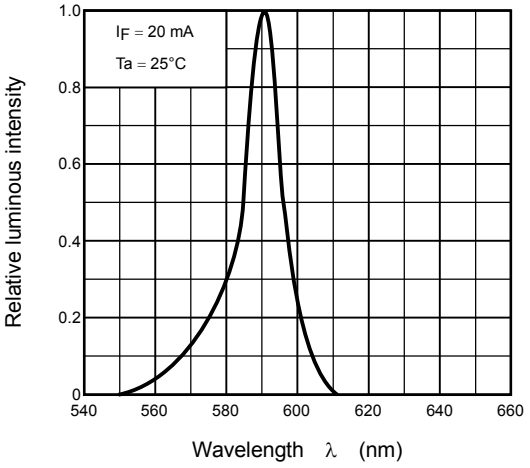

$I_V - I_F$



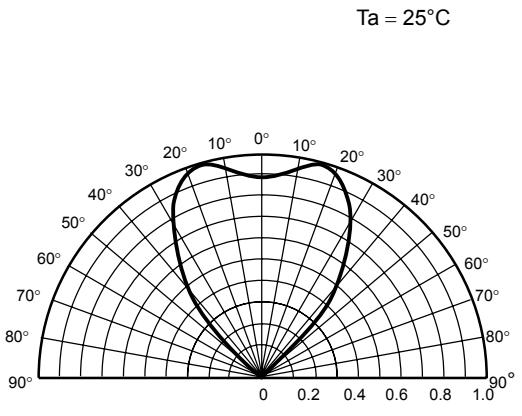

$I_V - Tc$



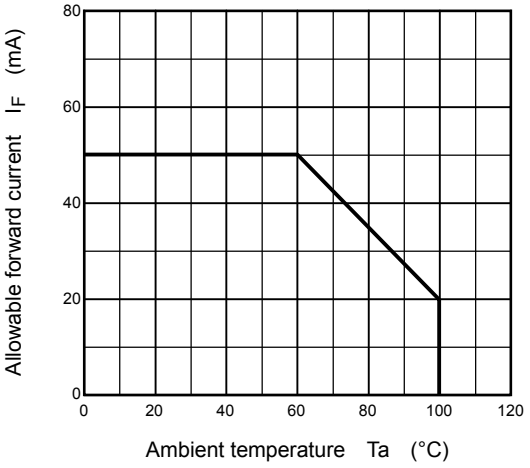

Relative luminous intensity – Wavelength




Radiation pattern

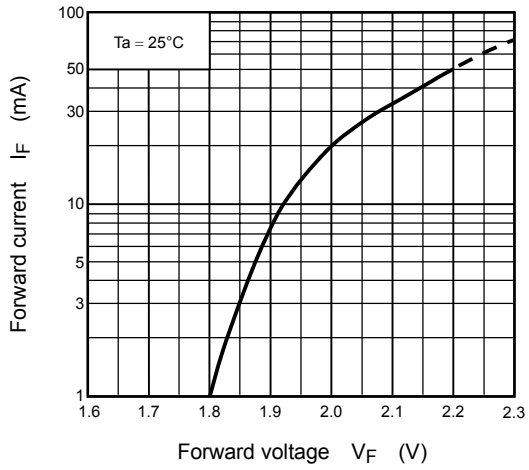



$I_F - Ta$

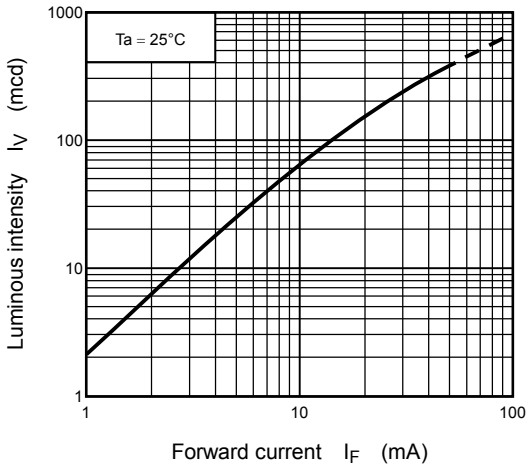


**TLPYE62T**

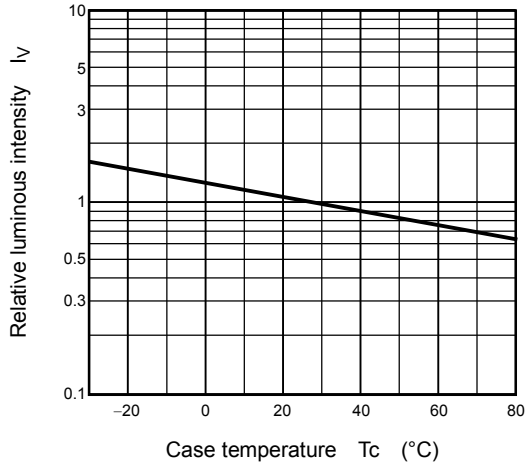
$I_F - V_F$



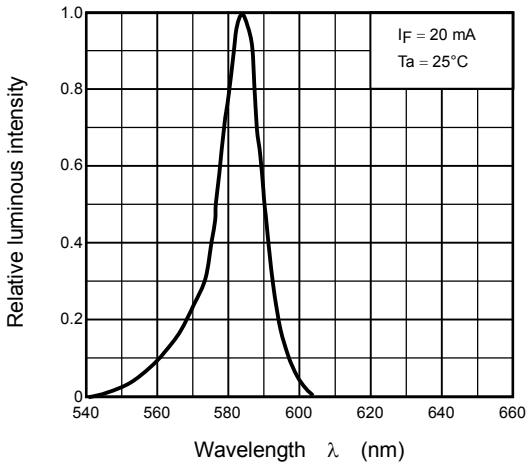

$I_V - I_F$



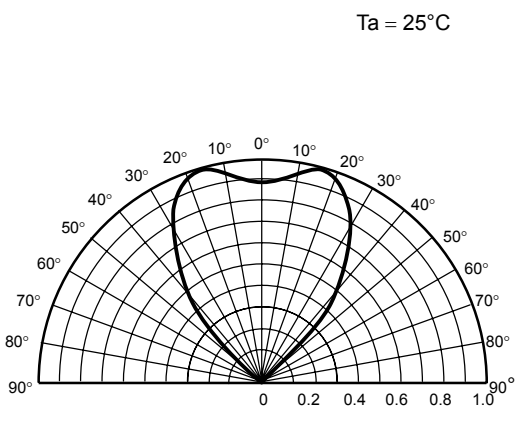

$I_V - Tc$



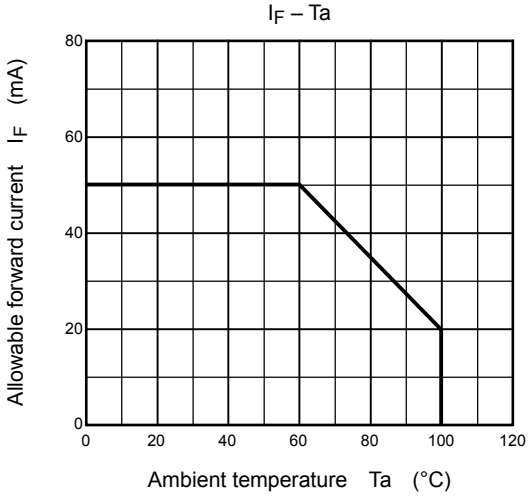

Relative luminous intensity – Wavelength




Radiation pattern

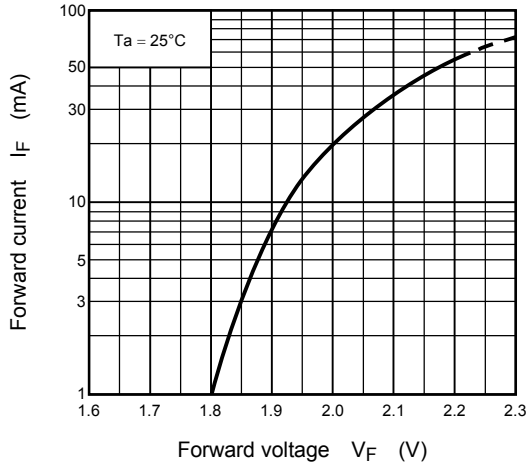



$I_F - Ta$

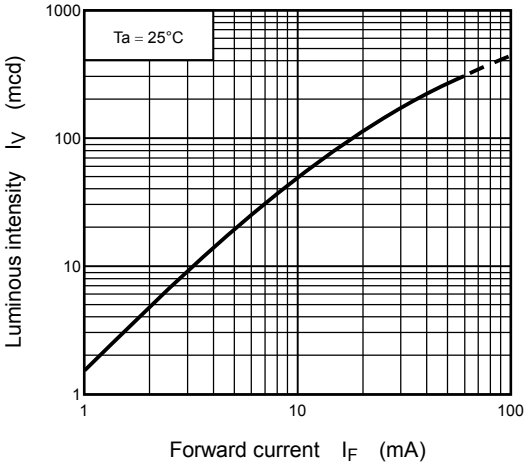


## TLGE62T

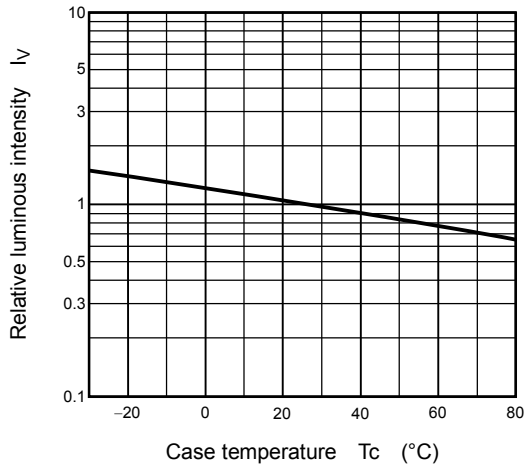
$I_F - V_F$



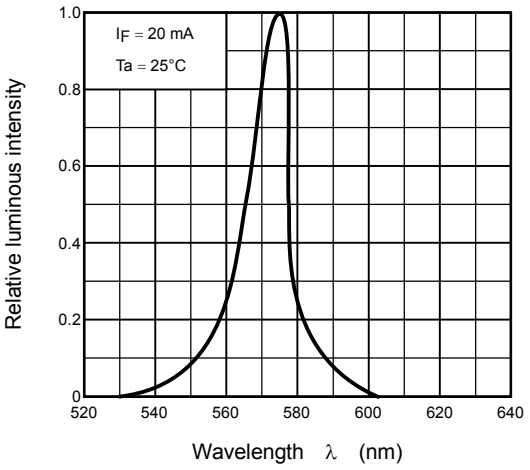

$I_V - I_F$



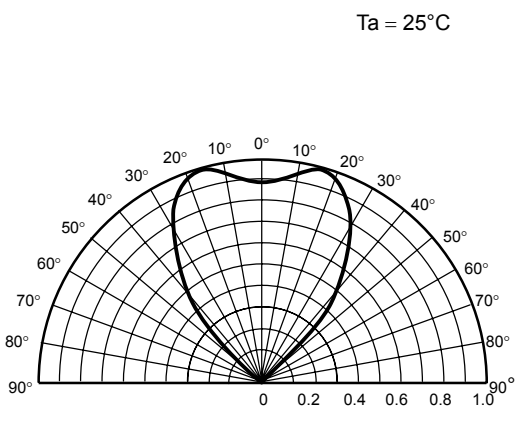

$I_V - Tc$



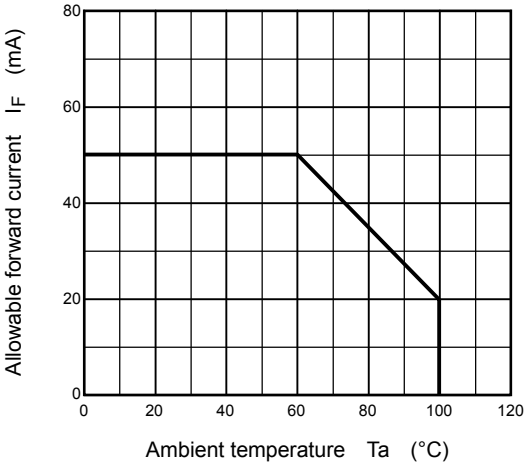

Relative luminous intensity – Wavelength




Radiation pattern

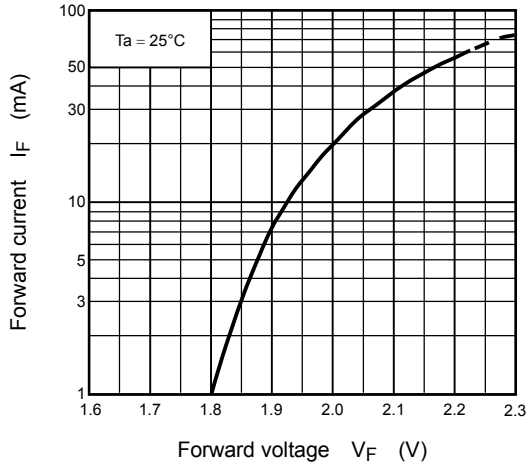



$I_F - Ta$

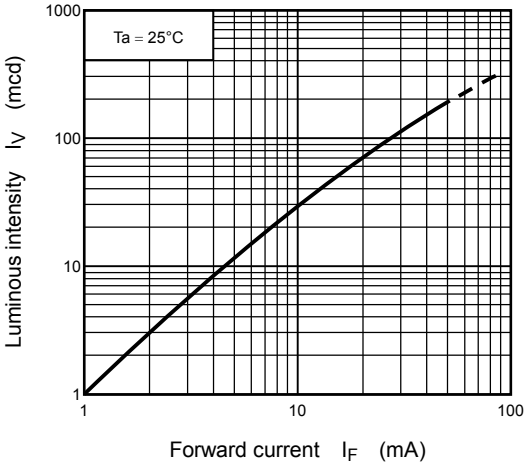


**TLFGE62T**

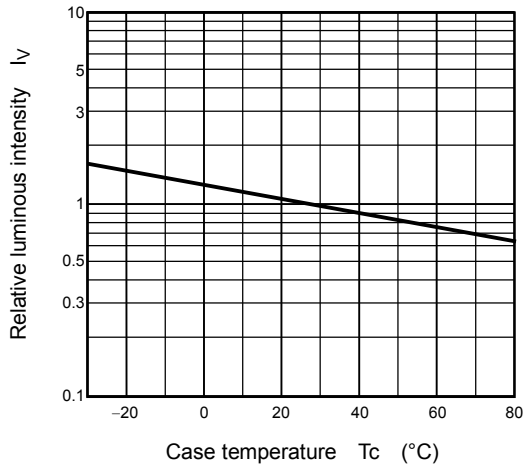
$I_F - V_F$



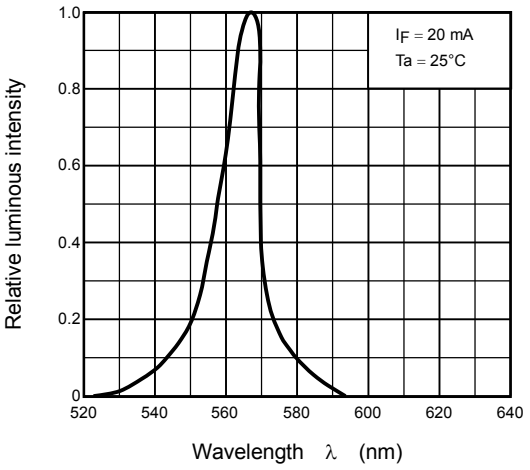

$I_V - I_F$



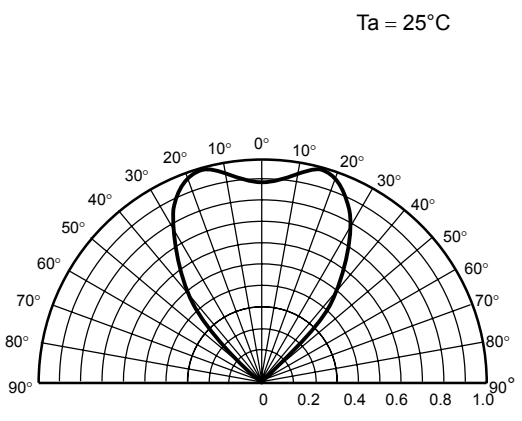

$I_V - Tc$



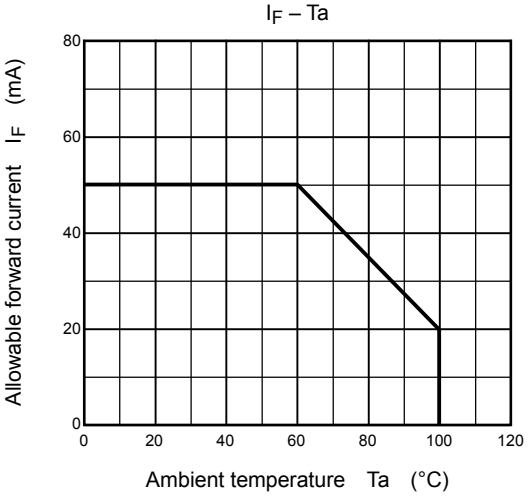

Relative luminous intensity – Wavelength




Radiation pattern

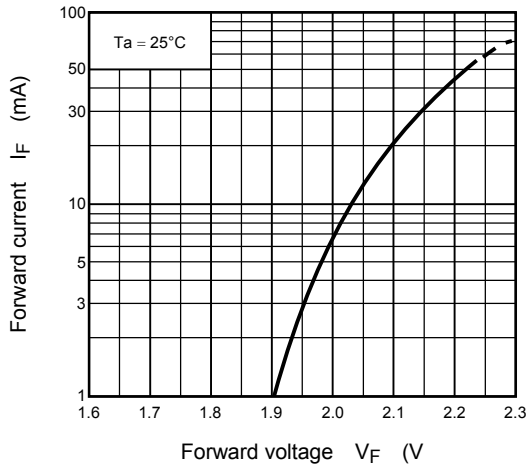



$I_F - Ta$

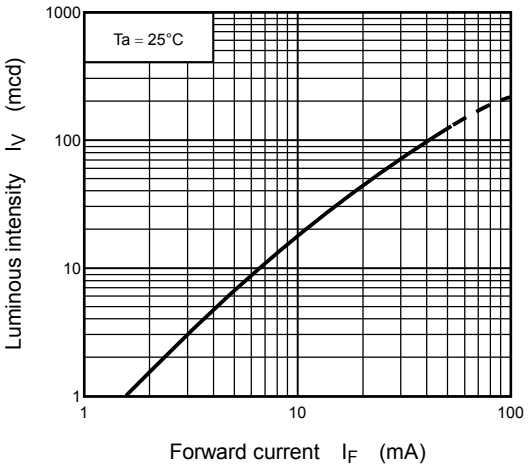


**TLPGE62T**

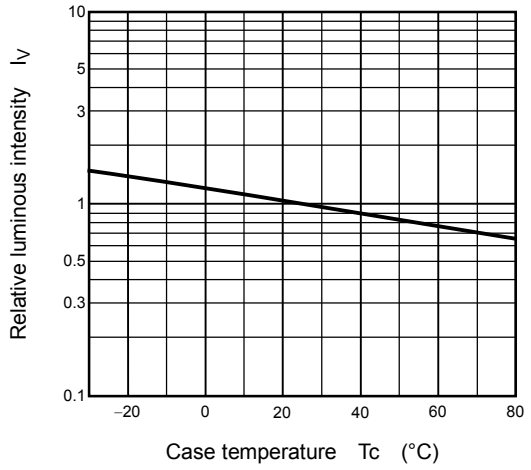
$I_F - V_F$



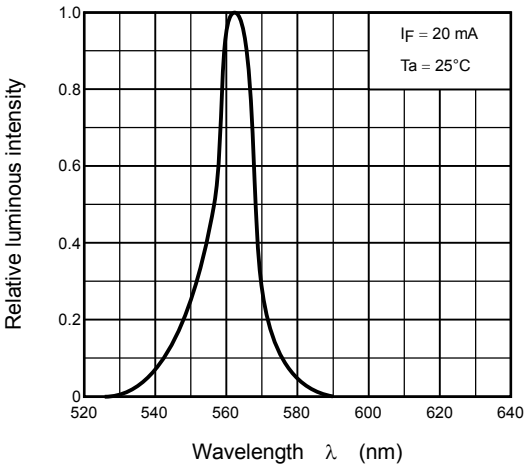

$I_V - I_F$



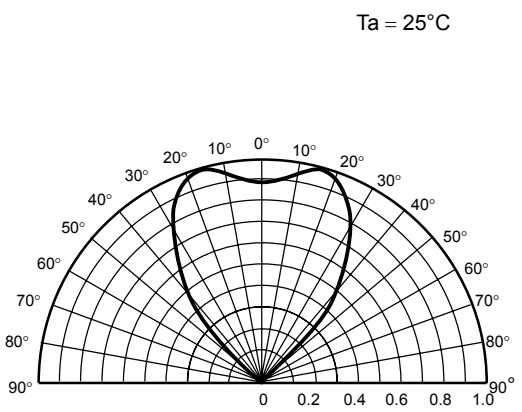

$I_V - Tc$



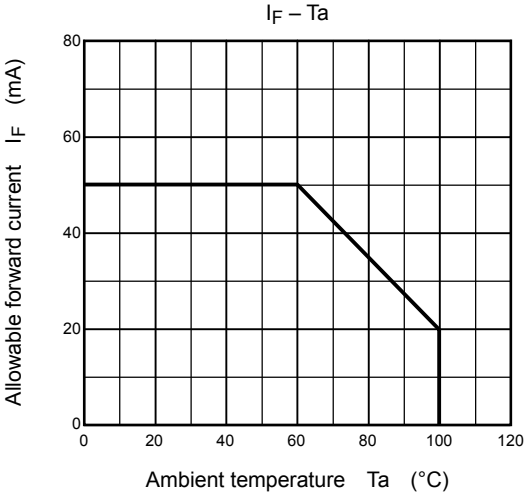

Relative luminous intensity – Wavelength




Radiation pattern




$I_F - Ta$



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